

FIG. 1. (PRIOR ART)

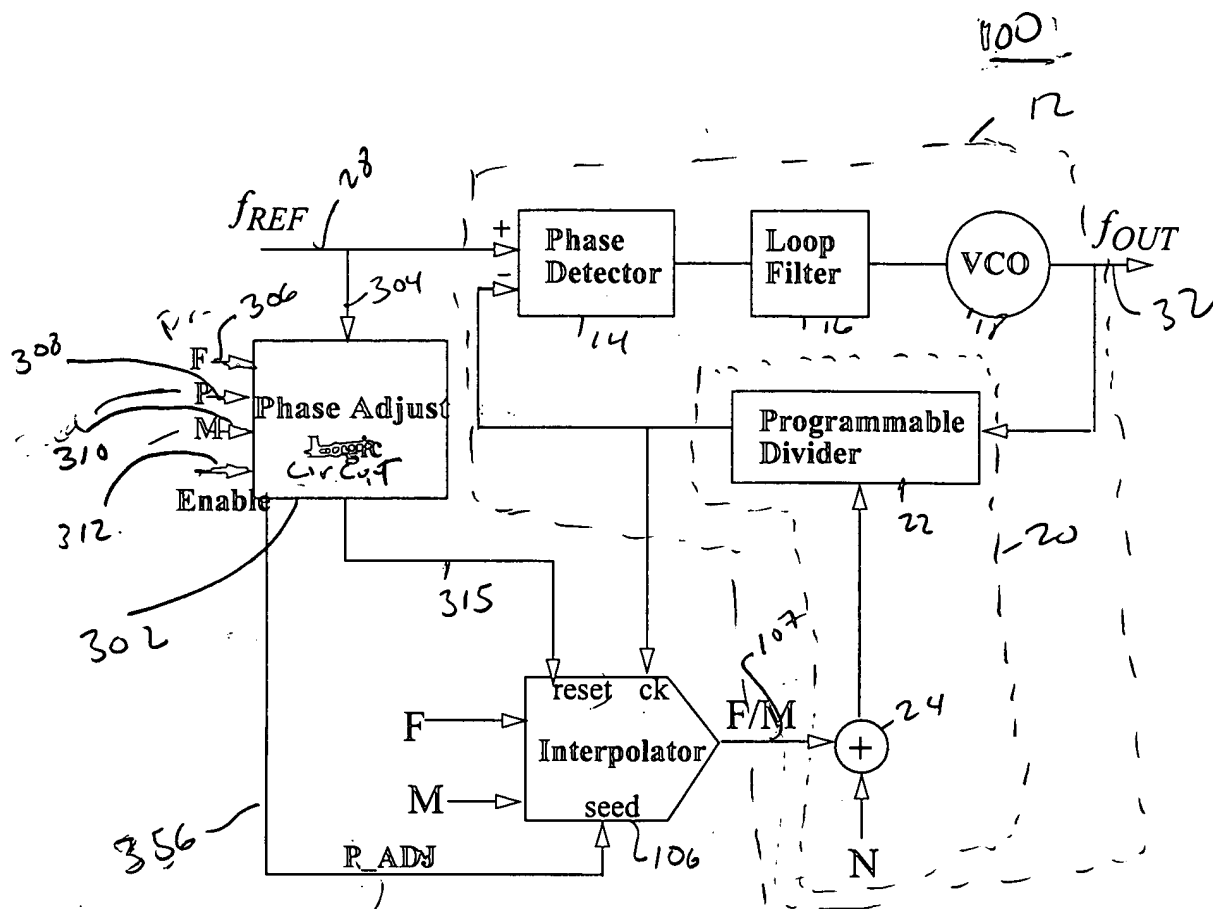


Fig 9: Fractional-N Synthesizer with Phase Adjustment and no-resync

for acc fraction word on every reference cycle  
add phase to accumulate fraction  
word and output  
P-adj

Fig 2,

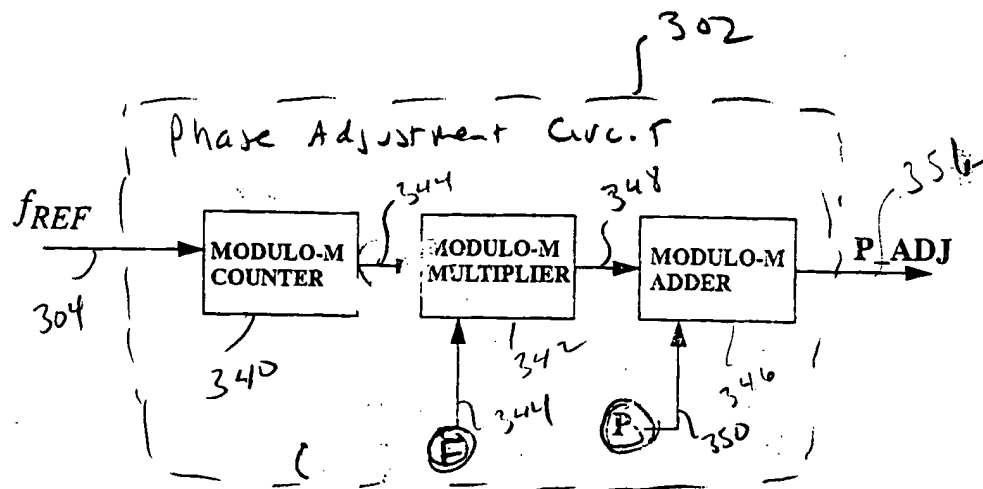


Fig 7: Fractional-N Synthesizer with Phase Adjustment without having to wait for the end of the  $f_{REF}/M$  cycle

Fig 3

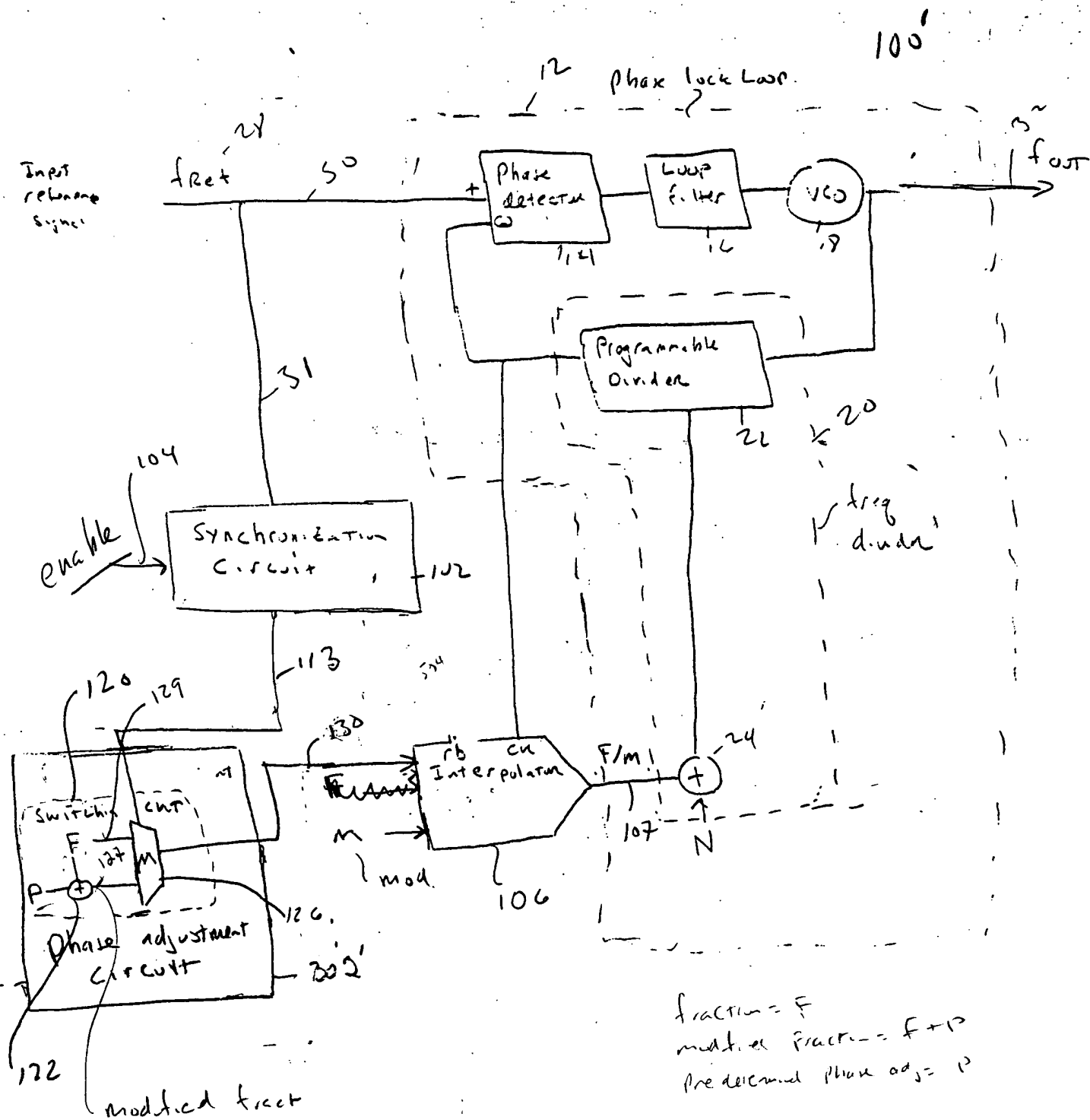


Fig 4

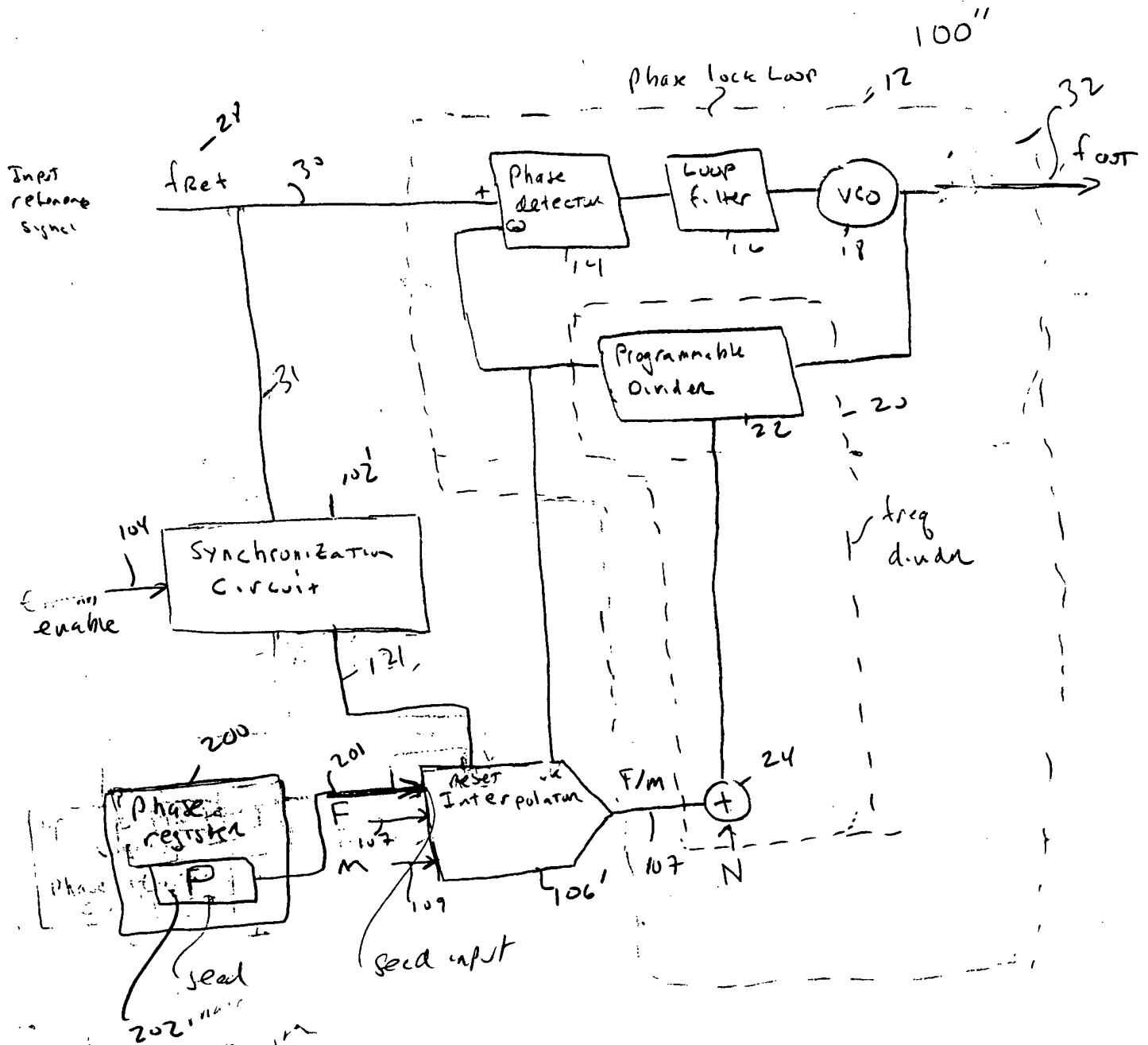


Fig 5